

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 240-49946-1
Client Project/Site: CBS Compton

For:
CBS Corporation
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Pittsburgh, Pennsylvania 15222-1384

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Authorized for release by:
5/6/2015 8:08:42 AM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Job ID: 240-49946-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: CBS Corporation

Project: CBS Compton

Report Number: 240-49946-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 4/29/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples CC-E160-N70 (240-49946-1), CC-E160-N30 (240-49946-2), CC-E160-N10 (240-49946-3), CC-E160-N210 (240-49946-5), CC-E160-N150 (240-49946-6) and CC-E160-N190 (240-49946-7) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/30/2015 and analyzed on 05/02/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria high for CC-E160-N210 (240-49946-5).

Samples CC-E160-N210 (240-49946-5)[50X], CC-E160-N150 (240-49946-6)[10X] and CC-E160-N190 (240-49946-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Case Narrative

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Job ID: 240-49946-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Method(s) 8082: The following samples appear to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: CC-E160-N30 (240-49946-2), CC-E160-N210 (240-49946-5), CC-E160-N150 (240-49946-6) and CC-E160-N190 (240-49946-7). The samples have been quantified and reported as Aroclor 1260. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample EB-042815-01 (240-49946-19) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/30/2015 and analyzed on 05/01/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples CC-E160-N70 (240-49946-1), CC-E160-N30 (240-49946-2), CC-E160-N10 (240-49946-3), CC-E160-N210 (240-49946-5), CC-E160-N150 (240-49946-6) and CC-E160-N190 (240-49946-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/30/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396



Sample Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-49946-1	CC-E160-N70	Solid	04/24/15 20:44	04/29/15 09:45
240-49946-2	CC-E160-N30	Solid	04/24/15 20:33	04/29/15 09:45
240-49946-3	CC-E160-N10	Solid	04/24/15 21:11	04/29/15 09:45
240-49946-5	CC-E160-N210	Solid	04/24/15 23:22	04/29/15 09:45
240-49946-6	CC-E160-N150	Solid	04/24/15 23:33	04/29/15 09:45
240-49946-7	CC-E160-N190	Solid	04/24/15 23:48	04/29/15 09:45
240-49946-19	EB-042815-01	Water	04/28/15 13:29	04/29/15 09:45

TestAmerica Canton

Detection Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: CC-E160-N70

Lab Sample ID: 240-49946-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	920		200	54	ug/Kg	1	☒	8082	Total/NA

Client Sample ID: CC-E160-N30

Lab Sample ID: 240-49946-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	410		200	55	ug/Kg	1	☒	8082	Total/NA

Client Sample ID: CC-E160-N10

Lab Sample ID: 240-49946-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	72	J	200	55	ug/Kg	1	☒	8082	Total/NA

Client Sample ID: CC-E160-N210

Lab Sample ID: 240-49946-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	56000		9900	2700	ug/Kg	50	☒	8082	Total/NA

Client Sample ID: CC-E160-N150

Lab Sample ID: 240-49946-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	8500		2000	550	ug/Kg	10	☒	8082	Total/NA

Client Sample ID: CC-E160-N190

Lab Sample ID: 240-49946-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	2300		1000	270	ug/Kg	5	☒	8082	Total/NA

Client Sample ID: EB-042815-01

Lab Sample ID: 240-49946-19

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: CBS Corporation
 Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: CC-E160-N70

Lab Sample ID: 240-49946-1

Date Collected: 04/24/15 20:44

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		200	72	ug/Kg	*	04/30/15 07:38	05/02/15 16:46	1
Aroclor-1221	ND		200	96	ug/Kg	*	04/30/15 07:38	05/02/15 16:46	1
Aroclor-1232	ND		200	120	ug/Kg	*	04/30/15 07:38	05/02/15 16:46	1
Aroclor-1242	ND		200	66	ug/Kg	*	04/30/15 07:38	05/02/15 16:46	1
Aroclor-1248	ND		200	48	ug/Kg	*	04/30/15 07:38	05/02/15 16:46	1
Aroclor-1254	ND		200	84	ug/Kg	*	04/30/15 07:38	05/02/15 16:46	1
Aroclor-1260	920		200	54	ug/Kg	*	04/30/15 07:38	05/02/15 16:46	1
Aroclor-1262	ND		200	60	ug/Kg	*	04/30/15 07:38	05/02/15 16:46	1
Aroclor-1268	ND		200	78	ug/Kg	*	04/30/15 07:38	05/02/15 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		29 - 151	04/30/15 07:38	05/02/15 16:46	1
DCB Decachlorobiphenyl	97		14 - 163	04/30/15 07:38	05/02/15 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	99		0.10	0.10	%			04/30/15 11:13	1
Percent Moisture	1.5		0.10	0.10	%			04/30/15 11:13	1

Client Sample Results

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: CC-E160-N30

Lab Sample ID: 240-49946-2

Date Collected: 04/24/15 20:33

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 97.6

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		200	73	ug/Kg	*	04/30/15 07:38	05/02/15 17:36	1
Aroclor-1221	ND		200	97	ug/Kg	*	04/30/15 07:38	05/02/15 17:36	1
Aroclor-1232	ND		200	120	ug/Kg	*	04/30/15 07:38	05/02/15 17:36	1
Aroclor-1242	ND		200	67	ug/Kg	*	04/30/15 07:38	05/02/15 17:36	1
Aroclor-1248	ND		200	48	ug/Kg	*	04/30/15 07:38	05/02/15 17:36	1
Aroclor-1254	ND		200	85	ug/Kg	*	04/30/15 07:38	05/02/15 17:36	1
Aroclor-1260	410		200	55	ug/Kg	*	04/30/15 07:38	05/02/15 17:36	1
Aroclor-1262	ND		200	61	ug/Kg	*	04/30/15 07:38	05/02/15 17:36	1
Aroclor-1268	ND		200	79	ug/Kg	*	04/30/15 07:38	05/02/15 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		29 - 151				04/30/15 07:38	05/02/15 17:36	1
DCB Decachlorobiphenyl	86		14 - 163				04/30/15 07:38	05/02/15 17:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	98		0.10	0.10	%			04/30/15 11:13	1
Percent Moisture	2.4		0.10	0.10	%			04/30/15 11:13	1

TestAmerica Canton

Client Sample Results

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: CC-E160-N10

Lab Sample ID: 240-49946-3

Date Collected: 04/24/15 21:11

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.0

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		200	73	ug/Kg	✱	04/30/15 07:38	05/02/15 17:52	1
Aroclor-1221	ND		200	97	ug/Kg	✱	04/30/15 07:38	05/02/15 17:52	1
Aroclor-1232	ND		200	120	ug/Kg	✱	04/30/15 07:38	05/02/15 17:52	1
Aroclor-1242	ND		200	67	ug/Kg	✱	04/30/15 07:38	05/02/15 17:52	1
Aroclor-1248	ND		200	49	ug/Kg	✱	04/30/15 07:38	05/02/15 17:52	1
Aroclor-1254	ND		200	85	ug/Kg	✱	04/30/15 07:38	05/02/15 17:52	1
Aroclor-1260	72	J	200	55	ug/Kg	✱	04/30/15 07:38	05/02/15 17:52	1
Aroclor-1262	ND		200	61	ug/Kg	✱	04/30/15 07:38	05/02/15 17:52	1
Aroclor-1268	ND		200	79	ug/Kg	✱	04/30/15 07:38	05/02/15 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		29 - 151	04/30/15 07:38	05/02/15 17:52	1
DCB Decachlorobiphenyl	75		14 - 163	04/30/15 07:38	05/02/15 17:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	98		0.10	0.10	%			04/30/15 11:13	1
Percent Moisture	2.0		0.10	0.10	%			04/30/15 11:13	1

TestAmerica Canton

Client Sample Results

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: CC-E160-N210

Lab Sample ID: 240-49946-5

Date Collected: 04/24/15 23:22

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.7

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		9900	3600	ug/Kg	*	04/30/15 07:38	05/02/15 18:09	50
Aroclor-1221	ND		9900	4800	ug/Kg	*	04/30/15 07:38	05/02/15 18:09	50
Aroclor-1232	ND		9900	6000	ug/Kg	*	04/30/15 07:38	05/02/15 18:09	50
Aroclor-1242	ND		9900	3300	ug/Kg	*	04/30/15 07:38	05/02/15 18:09	50
Aroclor-1248	ND		9900	2400	ug/Kg	*	04/30/15 07:38	05/02/15 18:09	50
Aroclor-1254	ND		9900	4200	ug/Kg	*	04/30/15 07:38	05/02/15 18:09	50
Aroclor-1260	56000		9900	2700	ug/Kg	*	04/30/15 07:38	05/02/15 18:09	50
Aroclor-1262	ND		9900	3000	ug/Kg	*	04/30/15 07:38	05/02/15 18:09	50
Aroclor-1268	ND		9900	3900	ug/Kg	*	04/30/15 07:38	05/02/15 18:09	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	200	X	29 - 151	04/30/15 07:38	05/02/15 18:09	50
DCB Decachlorobiphenyl	169	X	14 - 163	04/30/15 07:38	05/02/15 18:09	50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	99		0.10	0.10	%			04/30/15 11:13	1
Percent Moisture	1.3		0.10	0.10	%			04/30/15 11:13	1

TestAmerica Canton

Client Sample Results

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: CC-E160-N150

Lab Sample ID: 240-49946-6

Date Collected: 04/24/15 23:33

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2000	730	ug/Kg	☼	04/30/15 07:38	05/02/15 18:25	10
Aroclor-1221	ND		2000	970	ug/Kg	☼	04/30/15 07:38	05/02/15 18:25	10
Aroclor-1232	ND		2000	1200	ug/Kg	☼	04/30/15 07:38	05/02/15 18:25	10
Aroclor-1242	ND		2000	670	ug/Kg	☼	04/30/15 07:38	05/02/15 18:25	10
Aroclor-1248	ND		2000	490	ug/Kg	☼	04/30/15 07:38	05/02/15 18:25	10
Aroclor-1254	ND		2000	850	ug/Kg	☼	04/30/15 07:38	05/02/15 18:25	10
Aroclor-1260	8500		2000	550	ug/Kg	☼	04/30/15 07:38	05/02/15 18:25	10
Aroclor-1262	ND		2000	610	ug/Kg	☼	04/30/15 07:38	05/02/15 18:25	10
Aroclor-1268	ND		2000	790	ug/Kg	☼	04/30/15 07:38	05/02/15 18:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		29 - 151	04/30/15 07:38	05/02/15 18:25	10
DCB Decachlorobiphenyl	131		14 - 163	04/30/15 07:38	05/02/15 18:25	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	98		0.10	0.10	%			04/30/15 11:13	1
Percent Moisture	1.9		0.10	0.10	%			04/30/15 11:13	1

TestAmerica Canton

Client Sample Results

Client: CBS Corporation
 Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: CC-E160-N190

Lab Sample ID: 240-49946-7

Date Collected: 04/24/15 23:48

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1000	370	ug/Kg	*	04/30/15 07:38	05/02/15 18:42	5
Aroclor-1221	ND		1000	490	ug/Kg	*	04/30/15 07:38	05/02/15 18:42	5
Aroclor-1232	ND		1000	610	ug/Kg	*	04/30/15 07:38	05/02/15 18:42	5
Aroclor-1242	ND		1000	340	ug/Kg	*	04/30/15 07:38	05/02/15 18:42	5
Aroclor-1248	ND		1000	240	ug/Kg	*	04/30/15 07:38	05/02/15 18:42	5
Aroclor-1254	ND		1000	430	ug/Kg	*	04/30/15 07:38	05/02/15 18:42	5
Aroclor-1260	2300		1000	270	ug/Kg	*	04/30/15 07:38	05/02/15 18:42	5
Aroclor-1262	ND		1000	310	ug/Kg	*	04/30/15 07:38	05/02/15 18:42	5
Aroclor-1268	ND		1000	400	ug/Kg	*	04/30/15 07:38	05/02/15 18:42	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		29 - 151	04/30/15 07:38	05/02/15 18:42	5
DCB Decachlorobiphenyl	117		14 - 163	04/30/15 07:38	05/02/15 18:42	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	99		0.10	0.10	%			04/30/15 11:13	1
Percent Moisture	1.5		0.10	0.10	%			04/30/15 11:13	1

TestAmerica Canton

Client Sample Results

Client: CBS Corporation
 Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: EB-042815-01

Lab Sample ID: 240-49946-19

Date Collected: 04/28/15 13:29

Matrix: Water

Date Received: 04/29/15 09:45

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.49	0.17	ug/L		04/30/15 06:33	05/01/15 17:17	1
Aroclor-1221	ND		0.49	0.13	ug/L		04/30/15 06:33	05/01/15 17:17	1
Aroclor-1232	ND		0.49	0.16	ug/L		04/30/15 06:33	05/01/15 17:17	1
Aroclor-1242	ND		0.49	0.22	ug/L		04/30/15 06:33	05/01/15 17:17	1
Aroclor-1248	ND		0.49	0.098	ug/L		04/30/15 06:33	05/01/15 17:17	1
Aroclor-1254	ND		0.49	0.16	ug/L		04/30/15 06:33	05/01/15 17:17	1
Aroclor-1260	ND		0.49	0.17	ug/L		04/30/15 06:33	05/01/15 17:17	1
Aroclor-1262	ND		0.49	0.15	ug/L		04/30/15 06:33	05/01/15 17:17	1
Aroclor-1268	ND		0.49	0.24	ug/L		04/30/15 06:33	05/01/15 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		23 - 136				04/30/15 06:33	05/01/15 17:17	1
DCB Decachlorobiphenyl	73		10 - 130				04/30/15 06:33	05/01/15 17:17	1

TestAmerica Canton

Surrogate Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (29-151)	DCB1 (14-163)
240-49946-1	CC-E160-N70	77	97
240-49946-2	CC-E160-N30	74	86
240-49946-3	CC-E160-N10	59	75
240-49946-5	CC-E160-N210	200 X	169 X
240-49946-6	CC-E160-N150	93	131
240-49946-7	CC-E160-N190	90	117
LCS 240-178626/24-A	Lab Control Sample	77	107
MB 240-178626/23-A	Method Blank	73	96

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2 (23-136)	DCB2 (10-130)
240-49946-19	EB-042815-01	76	73
LCS 240-178606/4-A	Lab Control Sample	77	81
MB 240-178606/3-A	Method Blank	81	84

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

TestAmerica Canton

QC Sample Results

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-178606/3-A

Matrix: Water

Analysis Batch: 178950

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 178606

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.50	0.17	ug/L		04/30/15 06:33	05/01/15 17:31	1
Aroclor-1221	ND		0.50	0.13	ug/L		04/30/15 06:33	05/01/15 17:31	1
Aroclor-1232	ND		0.50	0.16	ug/L		04/30/15 06:33	05/01/15 17:31	1
Aroclor-1242	ND		0.50	0.22	ug/L		04/30/15 06:33	05/01/15 17:31	1
Aroclor-1248	ND		0.50	0.10	ug/L		04/30/15 06:33	05/01/15 17:31	1
Aroclor-1254	ND		0.50	0.16	ug/L		04/30/15 06:33	05/01/15 17:31	1
Aroclor-1260	ND		0.50	0.17	ug/L		04/30/15 06:33	05/01/15 17:31	1
Aroclor-1262	ND		0.50	0.15	ug/L		04/30/15 06:33	05/01/15 17:31	1
Aroclor-1268	ND		0.50	0.24	ug/L		04/30/15 06:33	05/01/15 17:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		23 - 136	04/30/15 06:33	05/01/15 17:31	1
DCB Decachlorobiphenyl	84		10 - 130	04/30/15 06:33	05/01/15 17:31	1

Lab Sample ID: LCS 240-178606/4-A

Matrix: Water

Analysis Batch: 178950

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 178606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Limits
Aroclor-1016	5.00	4.12		ug/L		82	66 - 120
Aroclor-1260	5.00	3.98		ug/L		80	55 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	77		23 - 136
DCB Decachlorobiphenyl	81		10 - 130

Lab Sample ID: MB 240-178626/23-A

Matrix: Solid

Analysis Batch: 179017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 178626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		33	12	ug/Kg		04/30/15 07:38	05/02/15 17:03	1
Aroclor-1221	ND		33	16	ug/Kg		04/30/15 07:38	05/02/15 17:03	1
Aroclor-1232	ND		33	20	ug/Kg		04/30/15 07:38	05/02/15 17:03	1
Aroclor-1242	ND		33	11	ug/Kg		04/30/15 07:38	05/02/15 17:03	1
Aroclor-1248	ND		33	8.0	ug/Kg		04/30/15 07:38	05/02/15 17:03	1
Aroclor-1254	ND		33	14	ug/Kg		04/30/15 07:38	05/02/15 17:03	1
Aroclor-1260	ND		33	9.0	ug/Kg		04/30/15 07:38	05/02/15 17:03	1
Aroclor-1262	ND		33	10	ug/Kg		04/30/15 07:38	05/02/15 17:03	1
Aroclor-1268	ND		33	13	ug/Kg		04/30/15 07:38	05/02/15 17:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		29 - 151	04/30/15 07:38	05/02/15 17:03	1
DCB Decachlorobiphenyl	96		14 - 163	04/30/15 07:38	05/02/15 17:03	1

TestAmerica Canton

QC Sample Results

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 240-178626/24-A

Matrix: Solid

Analysis Batch: 179017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 178626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aroclor-1016	333	280		ug/Kg		84	62 - 120
Aroclor-1260	333	336		ug/Kg		101	56 - 122

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	77		29 - 151
DCB Decachlorobiphenyl	107		14 - 163

QC Association Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

GC Semi VOA

Prep Batch: 178606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49946-19	EB-042815-01	Total/NA	Water	3520C	
LCS 240-178606/4-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-178606/3-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 178626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49946-1	CC-E160-N70	Total/NA	Solid	3540C	
240-49946-2	CC-E160-N30	Total/NA	Solid	3540C	
240-49946-3	CC-E160-N10	Total/NA	Solid	3540C	
240-49946-5	CC-E160-N210	Total/NA	Solid	3540C	
240-49946-6	CC-E160-N150	Total/NA	Solid	3540C	
240-49946-7	CC-E160-N190	Total/NA	Solid	3540C	
LCS 240-178626/24-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-178626/23-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 178950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49946-19	EB-042815-01	Total/NA	Water	8082	178606
LCS 240-178606/4-A	Lab Control Sample	Total/NA	Water	8082	178606
MB 240-178606/3-A	Method Blank	Total/NA	Water	8082	178606

Analysis Batch: 179017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49946-1	CC-E160-N70	Total/NA	Solid	8082	178626
240-49946-2	CC-E160-N30	Total/NA	Solid	8082	178626
240-49946-3	CC-E160-N10	Total/NA	Solid	8082	178626
240-49946-5	CC-E160-N210	Total/NA	Solid	8082	178626
240-49946-6	CC-E160-N150	Total/NA	Solid	8082	178626
240-49946-7	CC-E160-N190	Total/NA	Solid	8082	178626
LCS 240-178626/24-A	Lab Control Sample	Total/NA	Solid	8082	178626
MB 240-178626/23-A	Method Blank	Total/NA	Solid	8082	178626

General Chemistry

Analysis Batch: 178702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49946-1	CC-E160-N70	Total/NA	Solid	Moisture	
240-49946-2	CC-E160-N30	Total/NA	Solid	Moisture	
240-49946-3	CC-E160-N10	Total/NA	Solid	Moisture	
240-49946-5	CC-E160-N210	Total/NA	Solid	Moisture	
240-49946-6	CC-E160-N150	Total/NA	Solid	Moisture	
240-49946-7	CC-E160-N190	Total/NA	Solid	Moisture	

TestAmerica Canton

Lab Chronicle

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: CC-E160-N70

Lab Sample ID: 240-49946-1

Date Collected: 04/24/15 20:44

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178626	04/30/15 07:38	CS	TAL CAN
Total/NA	Analysis	8082		1	179017	05/02/15 16:46	LSH	TAL CAN
Total/NA	Analysis	Moisture		1	178702	04/30/15 11:13	NJE	TAL CAN

Client Sample ID: CC-E160-N30

Lab Sample ID: 240-49946-2

Date Collected: 04/24/15 20:33

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178626	04/30/15 07:38	CS	TAL CAN
Total/NA	Analysis	8082		1	179017	05/02/15 17:36	LSH	TAL CAN
Total/NA	Analysis	Moisture		1	178702	04/30/15 11:13	NJE	TAL CAN

Client Sample ID: CC-E160-N10

Lab Sample ID: 240-49946-3

Date Collected: 04/24/15 21:11

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178626	04/30/15 07:38	CS	TAL CAN
Total/NA	Analysis	8082		1	179017	05/02/15 17:52	LSH	TAL CAN
Total/NA	Analysis	Moisture		1	178702	04/30/15 11:13	NJE	TAL CAN

Client Sample ID: CC-E160-N210

Lab Sample ID: 240-49946-5

Date Collected: 04/24/15 23:22

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178626	04/30/15 07:38	CS	TAL CAN
Total/NA	Analysis	8082		50	179017	05/02/15 18:09	LSH	TAL CAN
Total/NA	Analysis	Moisture		1	178702	04/30/15 11:13	NJE	TAL CAN

Client Sample ID: CC-E160-N150

Lab Sample ID: 240-49946-6

Date Collected: 04/24/15 23:33

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178626	04/30/15 07:38	CS	TAL CAN
Total/NA	Analysis	8082		10	179017	05/02/15 18:25	LSH	TAL CAN
Total/NA	Analysis	Moisture		1	178702	04/30/15 11:13	NJE	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Client Sample ID: CC-E160-N190

Lab Sample ID: 240-49946-7

Date Collected: 04/24/15 23:48

Matrix: Solid

Date Received: 04/29/15 09:45

Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178626	04/30/15 07:38	CS	TAL CAN
Total/NA	Analysis	8082		5	179017	05/02/15 18:42	LSH	TAL CAN
Total/NA	Analysis	Moisture		1	178702	04/30/15 11:13	NJE	TAL CAN

Client Sample ID: EB-042815-01

Lab Sample ID: 240-49946-19

Date Collected: 04/28/15 13:29

Matrix: Water

Date Received: 04/29/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			178606	04/30/15 06:33	CSC	TAL CAN
Total/NA	Analysis	8082		1	178950	05/01/15 17:17	LSH	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TestAmerica Canton

Certification Summary

Client: CBS Corporation
 Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-1

Laboratory: TestAmerica Canton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8082	3520C	Water	Aroclor-1016
8082	3520C	Water	Aroclor-1221
8082	3520C	Water	Aroclor-1232
8082	3520C	Water	Aroclor-1242
8082	3520C	Water	Aroclor-1248
8082	3520C	Water	Aroclor-1254
8082	3520C	Water	Aroclor-1260
8082	3540C	Solid	Aroclor-1016
8082	3540C	Solid	Aroclor-1221
8082	3540C	Solid	Aroclor-1232
8082	3540C	Solid	Aroclor-1242
8082	3540C	Solid	Aroclor-1248
8082	3540C	Solid	Aroclor-1254
8082	3540C	Solid	Aroclor-1260

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8082	3520C	Water	Aroclor-1262
8082	3520C	Water	Aroclor-1268
8082	3540C	Solid	Aroclor-1262
8082	3540C	Solid	Aroclor-1268
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-49946 Chain of Custody

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

4.2/C4.7

WSP CHAIN-OF-CUSTODY RECORD										Page 1 of 2	
Project Name & Location			WSP Office Address			Requested Analysis			No. 000286		
CBS Compton Pittsburg, PA			Pittsburg, PA			8082A PCBs			Requested TAT Standard, except inure noted		
Project No. 41949			WSP Contact Name Dave Rykaczewski			8082A PCBs			Requested Deliverable		
Sampler's Signature Waniela Wong			WSP Contact E-mail @wspgroup.com			Preservative			LEVEL II <input type="checkbox"/> ERIMS EDD LEVEL III <input type="checkbox"/> GISKEY EDD LEVEL IV <input checked="" type="checkbox"/> EQUIS EDD		
Sample ID			Collection Date			Matrix			Sample Comments		
Compl/Grab			Start/Stop			No. of Containers			oilly liquid 3 DAY TAT 24 hr. TAT.		
CC-E160-N70	4/24/15	2044	B	1	X	3 Day TAT, all wipe samples contain hexane					
CC-E160-N30	4/24/15	2033	B	1	X						
CC-E160-N10	4/24/15	2111	B	1	X						
TP-LIQ-02	4/24/15	1820	O	1	X						
CC-E160-N210	4/24/15	2322	B	1	X						
CC-E160-N150	4/24/15	2333	B	1	X						
CC-E160-N190	4/24/15	2348	B	1	X						
WP-52	4/27/15	2359	W	1	X						
WP-53	4/28/15	0004	W	1	X						
WP-54	4/28/15	0015	W	1	X						
WP-55	4/28/15	0024	W	1	X						
WP-56	4/28/15	0031	W	1	X						
WP-57	4/28/15	0039	W	1	X						
WP-58	4/28/15	0041	W	1	X						
WP-59	4/28/15	0049	W	1	X						
Relinquished By (Signature)			Date			Laboratory Name			Laboratory Contact		
[Signature]			4/28/15 1353			Test America			Nate Pietras		
Relinquished By (Signature)			Date			Method of Shipment			Shipping Date		
[Signature]			4/28/15 1450			courier			04/28/15		
Sample Condition (Laboratory Use Only)			Temp in °C			Sample Intact			Additional Comments		
			✓			Sealed Cooler			✓		

Recd @ RWNE 04/28/15 14:50.
3.0/2.2" 11-71. NA

4/28/15 ASGTAI
3.0/2.2" 11-71. NA

4/28/15 9:45



WSP CHAIN-OF-CUSTODY RECORD

WSP Office Address: **Pittsburgh, PA**

Project Name & Location: **CBS - Computer** Project No.: **41949**

Sampler's Name: **Sarah Ferguson** Sampler's Signature: *[Signature]* WSP Contact Name: **Dave Rykaczewski**

WSP Contact Email: **@wspgroup.com** WSP Contact Phone: **(571) 239-6417**

Sample ID	Compl/Grab	Collection Date		Matrix	No. of Containers	Preservative	Requested Analysis		Laboratory Name	Laboratory Location	Laboratory Contact
		Start	Stop				Requested Analysis	Requested Analysis			
✓ WP-60		04/28/15	0055	W	1						
✓ WP-61		04/28/15	0102	W	1						
✓ WP-62		04/28/15	0116	W	1						
✓ EB-042815-01		04/28/15	1329	Ag	1						

Requested Analysis: **802A PCBs** **802A PCBs**

Requested Analysis: **3 DAY TAT** **3 DAY TAT** **3 DAY TAT**

Requested Analysis: **Test America** **N. Canton**

Requested Analysis: **Shipping Date** **04/28/15** **No. of Coolers** **1**

Requested Analysis: **Method of Shipment** **Cooler**

Requested Analysis: **Airbill No.** **42915 946**

Requested Analysis: **Temp. in °C** **Received on Ice** **Sealed Cooler** **Sample Intact** **Additional Comments**

Requested Analysis: **4/28/15 1353** **4/28/15 1359**

Requested Analysis: **Received By (Signature)** **Received By (Signature)**

Requested Analysis: **Relinquished By (Signature)** **Relinquished By (Signature)**

Requested Analysis: **Temp. in °C** **Received on Ice** **Sealed Cooler** **Sample Intact** **Additional Comments**

Requested Analysis: **4/28/15** **4/28/15**

Requested Analysis: **Ag = aqueous** **Ag = aqueous**

Requested Analysis: **3-0122-05 12-71** **3-0122-05 12-71**

Canton Facility _____

Client WSP Site Name _____ Cooler unpacked by: _____
 Cooler Received on 4-29-15 Opened on 4-29-15

FedEx: 1st Grd UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +4.0 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	<input type="checkbox"/> See Multiple Cooler Form
IR GUN# 4 (CF +0.5 °C)	Observed Cooler Temp. <u>4.2</u> °C	Corrected Cooler Temp. <u>4.7</u> °C	
IR GUN# 5 (CF +0.4 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8 (CF -1.2 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
 - Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
 - Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No Yes
4. Did custody papers accompany the sample(s)? Yes No Yes
5. Were the custody papers relinquished & signed in the appropriate place? Yes No Yes
6. Was/were the sampler(s) clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No Yes
8. Could all bottle labels be reconciled with the COC? Yes No Yes
9. Were correct bottle(s) used for the test(s) indicated? Yes No Yes
10. Sufficient quantity received to perform indicated analyses? Yes No Yes
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC432654
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? Yes No NA
14. Was a trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: _____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
 Time preserved: _____ Preservative(s) added/Lot number(s): _____